



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 10/047,978

Filing Date: 1/13/02

For: PROBABILISTIC ROUTING METHOD  
AND APPARATUS

PATENT APPLICATION

**POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. §§3.71, 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified Assignee is the owner of the entire right, title and interest in the above-identified patent application by virtue of an assignment from the inventor(s).

- ☒ A true copy of the assignment document(s) is attached hereto, the original of which has been (or is herewith) forwarded to the United States Patent and Trademark Office for recording.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Assignee hereby appoints John C. Stattler, Reg. No. 36,285; Dag Johansen, Reg. No. 36,172; Mani Adeli, Reg. No. 39,585; Jeffrey A. McKinney, Reg. No. 43,795; Gregory Suh, Reg. No. 48,187; my patent attorneys, and other attorneys of STATTLER JOHANSEN & ADELI LLP with offices located at 540 University Ave - Suite 350, Palo Alto, California 94301 to prosecute this application and all subsequent continuation or divisional applications, and transact all business in the United States Patent & Trademark Office connected therewith; said appointment to be to the exclusion of the inventor(s) and the inventor's(s') attorney(s) in accordance with the provisions of 37 C.F.R. §3.71.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please address all correspondence and telephone calls to:

Mani Adeli, Esq.  
STATTLER JOHANSEN & ADELI LLP  
P.O. Box 51860  
Palo Alto, California 94303-0728

Telephone: (650) 752-0990, ext. 102  
Fax: (650) 752-0995

Assignee: Cadence Design Systems, Inc.

Name: Peter Chen

Title: Vice President of Intellectual Property

Signature: \_\_\_\_\_

Date: October 30, 2003



**COPY**

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AND APPARATUS

PATENT APPLICATION

Examiner: <Not yet assigned>

**JOINT INVENTOR TO CORPORATION ASSIGNMENT**

WHEREAS, the undersigned Inventors have invented certain new and useful improvements in:

**PROBABILISTIC ROUTING METHOD AND APPARATUS**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

☒ Said application having Serial Number 10/047,978 and filed on January 13, 2002.

WHEREAS Simplex Solutions, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 521 Almanor Ave., Sunnyvale, CA 94086, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any



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AND APPARATUSPATENT APPLICATION

Examiner: &lt;Not yet assigned&gt;

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of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives, and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement as given below and delivered this instrument to said Assignee.

(1) \_\_\_\_\_ Date: \_\_\_\_\_  
Steven Teig

\*\*\*\*\*

(2) \_\_\_\_\_ Date: 19.6.2002  
Oscar Busci

\*\*\*\*\*



# Delaware

PAGE 1

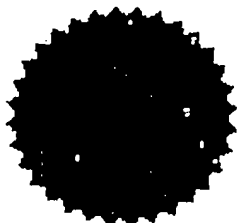
*The First State*

BEST AVAILABLE COPY

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"SIMPLEX SOLUTIONS, INC.", A DELAWARE CORPORATION,  
WITH AND INTO "CADENCE DESIGN SYSTEMS, INC." UNDER THE NAME  
OF "CADENCE DESIGN SYSTEMS, INC.", A CORPORATION ORGANIZED AND  
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED  
AND FILED IN THIS OFFICE THE THIRTIETH DAY OF SEPTEMBER, A.D.  
2002, AT 3 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE  
NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor  
Harriet Smith Windsor, Secretary of State

2122B96 8100M

020606417

AUTHENTICATION: 2012336

DATE: 10-01-02



STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 03:00 PM 09/30/2002  
020606417 - 212205

BEST AVAILABLE COPY

**CERTIFICATE OF OWNERSHIP  
MERGING  
SIMPLEX SOLUTIONS, INC.  
(a Delaware corporation)  
WITH AND INTO  
CADENCE DESIGN SYSTEMS, INC.  
(a Delaware corporation)**

**PURSUANT TO SECTION 253 OF THE  
GENERAL CORPORATION LAW OF DELAWARE**

Cadence Design Systems, Inc., a corporation incorporated on April 8, 1987 pursuant to the provisions of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify the following:

**FIRST:** That, as of the date hereof, this Corporation (the "Surviving Corporation") owns all (100%) of the outstanding capital stock of Simplex Solutions, Inc. ("Simplex"), a corporation incorporated under the laws of the State of Delaware.

**SECOND:** That this Corporation, by a resolution of its Board of Directors duly adopted on the 21<sup>st</sup> day of September, 2002, determined to and, subject to the conditions set forth in such resolutions, does merge Simplex into itself, to be effective upon the filing of this Certificate with the Delaware Secretary of State (the "Merger"):

**APPROVAL AND AUTHORIZATION OF MERGER WITH SIMPLEX  
SOLUTIONS, INC.**

WHEREAS, Simplex Solutions, Inc. ("Simplex"), a Delaware corporation, is a 100% wholly-owned subsidiary of the Corporation;

WHEREAS, it is proposed that the ownership and operation of the Corporation and Simplex be consolidated; and

WHEREAS, to effect such consolidation, it is deemed in the best interests of the Corporation to merge Simplex, with and into the Corporation (the "Merger") and pursuant to which: (i) effective upon filing of the Certificate of Ownership with the Delaware Secretary of State, Simplex would merge with and into the Corporation with the Corporation continuing its corporate existence as the surviving corporation of the merger; (ii) Simplex would cease to exist as a separate corporation; (iii) each outstanding share of capital stock of Simplex would automatically be canceled; (iv) all assets of Simplex would be transferred to and vested in the Corporation by operation of law and (v) all debts and liabilities of Simplex would be assigned to and assumed by the Corporation by operation of law.

NOW, THEREFORE, BE IT RESOLVED, that the Merger is hereby approved and authorized;

RESOLVED FURTHER, that each officer of the Corporation, acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to take such action as necessary to carry the Merger into effect and cancel the shares of outstanding capital stock of Simplex;

RESOLVED FURTHER, that each officer of the Corporation acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to prepare, execute and deliver or file such other documents and to take such further actions, including without limitation the preparation, execution and filing of a certificate of ownership with the Delaware Secretary of State, as such officer may deem necessary or proper in order to consummate the Merger, such necessity or propriety to be conclusively evidenced by such officer's execution, delivery or filing of such documents or taking of such actions;

RESOLVED FURTHER, that any officer of the Corporation, acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to prepare, execute and deliver such documents and to take such actions as such officer may deem necessary or proper in order to obtain any required contractual consents to the Merger from third parties, such necessity or propriety to be conclusively evidenced by such officer's execution or delivery of such documents or taking of such actions;

RESOLVED FURTHER, that any officer of the Corporation, and each of them severally, is hereby authorized to take from time to time any and all such action and to execute and deliver from time to time any and all further papers, instruments, requests, receipts, applications, reports, certificates and other documents as may be deemed necessary or advisable in the opinion of any such officer to effectuate and consummate the Merger and any other transactions contemplated thereby;

RESOLVED FURTHER, that the foregoing resolutions shall also serve as evidence of the Corporation's authorization and approval of the Merger acting as the sole stockholder of Simplex.

THIRD: No other approvals of the Merger are required under Delaware law.

[Remainder of page intentionally left blank.]



IN WITNESS WHEREOF, the undersigned has executed and subscribed to this Certificate of Ownership on behalf of Cadence Design Systems, Inc. as its authorized officer and hereby affirms, under the penalties of perjury, that this Certificate of Ownership is the act and deed of such corporation and that the facts stated herein are true.

DATED: September 21, 2002

CADENCE DESIGN SYSTEMS, INC.  
a Delaware Corporation

By: \_\_\_\_\_

R.L. Smith McKelthen  
Senior Vice President, General Counsel and  
Secretary